

Worksheet

04/16/2019

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Problem quickname: 4978

1)

Find the value requested.

- a) What is the gcd of 69 and 92? First, find the divisors of each number.
 $D_{69} = \{1, 3, \dots\}$; $D_{92} = \{1, 2, \dots\}$
- b) The lcm of 9 and 15 is? First, find the multiples of both numbers. Multiples of 9: 9, 18 . . . ; Multiples of 15: 15, 30 . . .
- c) The lcm of 5 and 100 is? First, find the multiples of both numbers. Multiples of 5: 5, 10 . . . ; Multiples of 100: 100, 200 . . .
- d) What is the gcd of 72 and 96? First, find the divisors of each number.
 $D_{72} = \{1, 2, \dots\}$; $D_{96} = \{1, 2, \dots\}$
- e) The lcm of 3 and 63 is? First, find the multiples of both numbers. Multiples of 3: 3, 6 . . . ; Multiples of 63: 63, 126 . . .
- f) The lcm of 16 and 64 is? First, find the multiples of both numbers. Multiples of 16: 16, 32 . . . ; Multiples of 64: 64, 128 . . .
- g) What is the gcd of 58 and 87? First, find the divisors of each number.
 $D_{58} = \{1, 2, \dots\}$; $D_{87} = \{1, 3, \dots\}$
- h) The lcm of 6 and 27 is? First, find the multiples of both numbers. Multiples of 6: 6, 12 . . . ; Multiples of 27: 27, 54 . . .
- i) What is the gcd of 62 and 93? First, find the divisors of each number.
 $D_{62} = \{1, 2, \dots\}$; $D_{93} = \{1, 3, \dots\}$
- j) The lcm of 9 and 12 is? First, find the multiples of both numbers. Multiples of 9: 9, 18 . . . ; Multiples of 12: 12, 24 . . .

2)

Find the value requested, the greatest common divisor (gcd) or the least common multiple (lcm).

- a) What is the gcd of 50 and 75? First, find the divisors of each number.
 $D_{50} = \{1, 2, \dots\}$; $D_{75} = \{1, 3, \dots\}$
- b) The lcm of 5 and 75 is? First, find the multiples of both numbers. Multiples of 5: 5, 10 . . . ; Multiples of 75: 75, 150 . . .

- c) What is the gcd of 32 and 64? First, find the divisors of each number.
 $D_{32} = \{1, 2, \dots\}$; $D_{64} = \{1, 2, \dots\}$
- d) What is the gcd of 51 and 68? First, find the divisors of each number.
 $D_{51} = \{1, 3, \dots\}$; $D_{68} = \{1, 2, \dots\}$
- e) The lcm of 9 and 15 is? First, find the multiples of both numbers. Multiples of 9: 9, 18...; Multiples of 15: 15, 30...
- f) What is the gcd of 50 and 75? First, find the divisors of each number.
 $D_{50} = \{1, 2, \dots\}$; $D_{75} = \{1, 3, \dots\}$
- g) The lcm of 4 and 22 is? First, find the multiples of both numbers. Multiples of 4: 4, 8...; Multiples of 22: 22, 44...
- h) The lcm of 3 and 22 is? First, find the multiples of both numbers. Multiples of 3: 3, 6...; Multiples of 22: 22, 44...
- i) What is the gcd of 48 and 72? First, find the divisors of each number.
 $D_{48} = \{1, 2, \dots\}$; $D_{72} = \{1, 2, \dots\}$
- j) What is the gcd of 60 and 80? First, find the divisors of each number.
 $D_{60} = \{1, 2, \dots\}$; $D_{80} = \{1, 2, \dots\}$

3)

Find the value requested, the greatest common divisor (gcd) or the least common multiple (lcm).

- a) The lcm of 5 and 9 is? First, find the multiples of both numbers. Multiples of 5: 5, 10...; Multiples of 9: 9, 18...
- b) What is the gcd of 48 and 72? First, find the divisors of each number.
 $D_{48} = \{1, 2, \dots\}$; $D_{72} = \{1, 2, \dots\}$
- c) What is the gcd of 60 and 90? First, find the divisors of each number.
 $D_{60} = \{1, 2, \dots\}$; $D_{90} = \{1, 2, \dots\}$
- d) What is the gcd of 60 and 90? First, find the divisors of each number.
 $D_{60} = \{1, 2, \dots\}$; $D_{90} = \{1, 2, \dots\}$
- e) What is the gcd of 50 and 75? First, find the divisors of each number.
 $D_{50} = \{1, 2, \dots\}$; $D_{75} = \{1, 3, \dots\}$
- f) The lcm of 18 and 27 is? First, find the multiples of both numbers. Multiples of 18: 18, 36...; Multiples of 27: 27, 54...
- g) What is the gcd of 54 and 81? First, find the divisors of each number.
 $D_{54} = \{1, 2, \dots\}$; $D_{81} = \{1, 3, \dots\}$
- h) The lcm of 9 and 11 is? First, find the multiples of both numbers. Multiples of 9: 9, 18...; Multiples of 11: 11, 22...

4)

Find the value requested.

- a) What is the gcd of 54 and 81? First, find the divisors of each number.
- b) What is the gcd of 66 and 88? First, find the divisors of each number.
- c) What is the gcd of 60 and 90? First, find the divisors of each number.
- d) What is the gcd of 66 and 99? First, find the divisors of each number.
- e) What is the gcd of 48 and 72? First, find the divisors of each number.
- f) What is the gcd of 66 and 99? First, find the divisors of each number.
- g) What is the gcd of 52 and 78? First, find the divisors of each number.
- h) What is the gcd of 75 and 100? First, find the divisors of each number.

Good Luck!